

RTVLGVIGDN (SEQ ID NO 31),
RTVGVLQEN (SEQ ID NO 32),
RAALGTVGE (SEQ ID NO 33),
RTVLGVLTEN (SEQ ID NO 34),
RAALAVLKSGN (SEQ ID NO 35),
RLPLAAKDN (SEQ ID NO 36),
RQLFPIPLN (SEQ ID NO 37),
RRTLKVIQP (SEQ ID NO 38),

expressed as a general structure

R(A/T)(A)LGX(I/V)(G/T)(N) (SEQ ID NO 39), or expressed as a
consensus RXXLGXIXN (SEQ ID NO 53), where X is any amino acid and
amino acids in parentheses occur in more than 50% of known
destruction sequences.

Please replace the paragraph beginning at page 34, line 26, with
the following rewritten paragraphs:

Some examples of ubiquitination recognition elements based on
the N-recogin include;

Arg- ϵ Ahx-Cys

Arg- β -Ala- ϵ Ahx-Cys

Arg- ϵ Ahx- ϵ Ahx-Cys

Phe- ϵ Ahx-Cys

C2

Phe- β -Ala- ϵ Ahx-Cys

Phe- ϵ Ahx- ϵ Ahx-Cys

Arg-Ala- ϵ Ahx-Cys

Arg-Ala- β -Ala- ϵ Ahx-Cys (SEQ ID NO:66)

Arg-Ala- ϵ Ahx- ϵ Ahx-Cys

Please replace the paragraph beginning at page 35, line 1, with the following rewritten paragraph:

FIGURE 1

C3

Phe-Ala- ϵ Ahx-Cys

Phe-Ala- β -Ala- ϵ Ahx-Cys (SEQ ID NO:67)

Phe-Ala- ϵ Ahx- ϵ Ahx-Cys

Please replace the paragraph beginning at page 37, line 1, with the following rewritten paragraph:

C4

R(A/T)(A)LGX(I/V)(G/T)(N) (SEQ ID NO 39), or expressed as a consensus RXXLGXIXN (SEQ ID NO 53), where X is any amino acid and amino acids in parentheses occur in more than 50% of known destruction sequences.

Please replace the paragraph beginning at page 58, line 1, with the following rewritten paragraph:

C5 motif CCXXCC (SEQ ID NO:47) and WEAAAREACCRECCARA (SEQ ID NO 48), and AEAAAREACCRECCARA (SEQ ID NO 49), is 4',5'-bis(1,3,2-dithioarsolan-2-yl)fluorescein with other bis-organoarsenical being useful (Griffin BA, 1998, Science 218, 269, which is hereby incorporated by reference in its entirety).

Please replace the paragraph beginning at page 60, line 19, with the following rewritten paragraph:

Control of protein levels in the liver of a transgenic organism

C6 An example of the above embodiment is the demonstration of targeted ubiquitination to mediate quantitative and tissue specific control of gene expression in transgenic mice. The expression vector was constructed using the luciferase gene and a liver specific promoter ~ the promoter of the liverenriched activator protein driving the expression of the luciferase gene (Kistner A., 1996, Proc. Natl. Acad. Sci. 93, 10933-10938). The luciferase gene was engineered to contain the AEAAAREACCRECCARA (SEQ ID NO 49), sequence at the C terminus using synthetic oligonucleotides and PCR based

Please replace the paragraph beginning at page 73, line 14, with the following rewritten paragraph:

C7 Further ubiquitination recognition elements are synthesized as